

Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P23853Serial No.  
10/621,351INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Stephen PALMFiling Date  
July 18, 2003Group  
2631

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ph</i>	5 4 9 3 6 0 9	02/20/96	DAVIS et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ph</i>	1	ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996.
<i>ph</i>	2	An article by K. KRECHMER at pages 63,64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994).

EXAMINER

*Robert Brown*

DATE CONSIDERED

*10/2004*

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<i>PM</i>	5 4 9 3 6 0 9	02/20/96	DAVIS et al.			
<i>PM</i>	5 7 1 5 2 7 7	02/03/98	GOODSON et al.			
<i>PM</i>	6 4 6 6 5 8 6	10/2002	DARVEAU			
<i>PM</i>	6 4 3 8 2 2 6	08/2002	GUENTHER et al.			
<i>PM</i>	5 9 7 0 0 8 8	10/1999	CHEN			
<i>PM</i>	6 3 0 7 8 3 6	10/2001	JONES et al.			
<i>PM</i>	6 2 9 8 0 6 5	10/2001	DOMBKOWSKI et al.			
<i>PM</i>	6 2 6 3 0 1 6	07/2001	BELLENGER et al.			
<i>PM</i>	6 0 8 1 5 1 7	06/2000	LIU et al.			

## FOREIGN PATENT DOCUMENTS

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<i>PM</i> 0 8 2 0 1 6 8	01/21/98	E.P.O.			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>PM</i>	1	ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996.
<i>PM</i>	2	An article by K. KRECHMER at pages 63,64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994).

EXAMINER

*Pankaj Khanna*

DATE CONSIDERED

*10/2004*

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>PH</i>	3	An article by F. MESCAM, entitled "Introduction A La Procedure De Transmission HDLC", published at pages 69-73 of L'Onde Electrique, vol. 53, no. 2 (February, 1973),
<i>PH</i>	4	An article by H. OHBA et al., entitled "End-to-End Protocol Based On CCITT X.25 and Its Implementation", published at pages 281-287 of Evolutions In Computer Communications, Kyoto September 26-29, 1978, International Conference On Computer Communication, Tokyo, Japan, vol. CONF. 4, September 1978.
<i>PH</i>	5	An article by K. KRECHMER at pages 63, 64 and 66 of Data Communications, McGraw Hill, NY, vol. 23, no. 2 (January 21, 1994), entitled "V.34 Modems: Off to a Fast Start.

EXAMINER *Robert H. Hume*DATE CONSIDERED *10/2004*

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				Filing Date July 18, 2003		Group 2739						
<b>U.S. PATENT DOCUMENTS</b>												
<i>Ph</i>	5	9	1	2	9	2	1	06/15/99	WARREN et al.			
<i>Ph</i>	6	0	6	4	6	9	3	05/16/00	OLIVER et al.			
<i>Ph</i>	5	2	8	0	5	8	6	01/18/94	KUNTZ et al.			
<i>Ph</i>	6	0	0	2	7	2	2	12/14/99	WU			
<i>Ph</i>	4	9	2	4	4	5	6	05/08/90	MAXWELL et al.			
<i>Ph</i>	5	1	0	3	4	4	6	04/07/92	FISCHER			
<i>Ph</i>	6	3	6	6	5	6	7	04/02/02	SINGH et al.			
<i>Ph</i>	6	2	6	3	0	1	6	07/17/01	BELLENGER et al.			
<b>FOREIGN PATENT DOCUMENTS</b>												
	DOCUMENT NUMBER				DATE		COUNTRY		CLASS	SUBCLASS	TRANSLATION YES      NO	
<del>9</del>	<del>7</del>	<del>7</del>	<del>4</del>	<del>9</del>	<del>2</del>	<del>2</del>	<del>9</del>	12/24/97	W.I.P.O.			
<del>2</del>	<del>0</del>	<del>2</del>	<del>7</del>	<del>2</del>	<del>3</del>	<del>0</del>		04/18/95	CANADA	} <i>not provided</i>		
<del>2</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>5</del>	<del>4</del>	<del>3</del>		06/18/94	CANADA			
<del>0</del>	<del>9</del>	<del>7</del>	<del>4</del>	<del>2</del>	<del>0</del>	<del>2</del>		01/26/00	E.P.O.			
<i>Ph</i>	9	9	1	3	7	5	6	07/15/99	W.I.P.O.			
<i>Ph</i>	0	8	2	0	1	6	8	01/21/98	E.P.O.			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>												
<del>1</del>	An article published in the periodical, "Nikkei Communications," vol. 252, August 18, 1997, pages 80-89, along with an English translation of the relevant portion of the document. <span style="float: right;"><i>not provided</i></span>											
EXAMINER <i>Panting Phum</i>					DATE CONSIDERED <i>10/2004</i>							
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												

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<i>pn</i>	5 4 9 3 6 0 9	02/20/96	WINSECK, Jr. et al.			
<i>pn</i>	6 0 0 2 7 2 2	12/14/99	WU			
<i>pn</i>	5 4 7 9 4 4 7	12/26/95	CHOW et al.			
<i>pn</i>	4 6 7 9 2 2 7	07/07/87	HUGHES-HARTOGS			
<i>pn</i>	5 6 4 4 5 7 3	07/01/97	JACOBSEN et al.			
<i>pn</i>	5 4 6 3 3 8 2	10/31/95	NIKAS et al.			
<i>pn</i>	5 3 7 7 1 8 8	12/27/94	SEKI			
<i>pn</i>	4 8 9 7 8 3 1	01/30/90	NEGI et al.			
<i>pn</i>	5 3 4 9 6 3 5	09/20/94	SCOTT			

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<i>pn</i>	9 8 1 1 0 5 4 5	03/12/98	W.I.P.O.			
<del>pn</del>	<del>0 9 7 4 2 0 2</del>	<del>07/15/99</del>	<del>E.P.O.</del>			
<i>pn</i>	9 9 1 3 5 7 5 6	07/15/99	W.I.P.O.			
<del>pn</del>	<del>0 8 2 0 1 6 8</del>	<del>01/21/98</del>	<del>E.P.O.</del>			
<del>pn</del>	<del>2 0 2 7 2 3 0</del>	<del>04/12/91</del>	<del>CANADA</del>			
<del>pn</del>	<del>2 1 1 1 5 4 3</del>	<del>06/18/94</del>	<del>CANADA</del>			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>pn</i>	1	ITU-T recommendation G.994.1 ("Handshake Procedures For Digital Subscriber Line (DSL) Transceivers"), published by the International Telecommunication Union in February, 2001.
<i>pn</i>	2	ITU-T Recommendation V.8 bis ("Procedures for the Identification and Selection of Common Modes of Operation Between Data Circuit-Terminating Equipments (DCEs) and Between Data Terminal Equipments (DTEs) Over the General Switched Telephone Network and On Leased Point-to-Point Telephone-Type Circuits"), published by the International Telecommunication Union in August, 1996.

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*Pamela Brown*

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pm		0	8	3	1	6	2	4	03/25/98	E.P.O.								
ps		0	5	1	3	5	2	7	11/19/92	E.P.O.								
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)																		
EXAMINER <i>Ranbir Kumar</i>																		
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<i>PM</i>	5 6 6 8 8 5 7	09/16/97	McHALE			
<i>PM</i>	5 7 8 1 6 1 7	07/14/98	McHALE			
<i>PM</i>	5 8 5 2 6 5 5	12/22/98	McHALE			
<i>PM</i>	5 4 1 0 3 4 3	04/25/95	CODDINGTON et al.			
<i>PM</i>	5 7 5 7 8 0 3	05/26/98	RUSSELL et al.			
<i>PM</i>	5 7 9 6 8 0 8	08/18/98	SCOTT et al.			
<i>PM</i>	5 7 5 1 9 1 4	05/12/98	COLEY et al.			
<i>PM</i>	5 4 4 8 5 6 6	09/05/95	RICHTER et al.			
<i>PM</i>	5 1 6 3 1 3 1	11/10/92	ROW et al.			
<i>PM</i>	5 3 1 1 5 7 8	05/10/94	BREMER et al.			
<i>PM</i>	4 6 8 0 7 7 3	07/14/87	AMUNDSON			
<i>PM</i>	5 4 6 3 6 6 1	10/31/95	MORAN, III et al.			
<i>PM</i>	5 6 4 4 5 7 3	07/01/97	BINGHAM et al.			
<i>PM</i>	5 7 1 5 2 7 7	02/03/98	GOODSON et al.			
<i>PM</i>	5 6 0 8 7 6 4	03/04/97	SUGITA et al.			
<i>PM</i>	5 9 0 3 6 0 8	05/11/99	CHUN			
<i>PM</i>	5 9 1 0 9 7 0	06/08/99	LU			
<i>PM</i>	5 8 0 5 6 6 9	09/08/98	BINGEL et al.			
<i>PM</i>	5 4 0 0 3 2 2	03/21/95	HUNT et al.			
<i>PM</i>	5 4 7 9 4 4 7	12/26/95	CHOW et al.			
<i>PM</i>	5 6 8 2 4 1 9	10/28/97	GRUBE et al.			
<i>PM</i>	5 3 4 9 6 3 5	09/20/94	SCOTT			
<i>PM</i>	4 8 9 7 8 3 1	01/30/90	NEGI et al.			
<i>PM</i>	5 4 6 3 3 8 2	10/31/95	NIKAS et al.			
<i>PM</i>	5 3 7 7 1 8 8	12/27/94	SEKI			
<i>PM</i>	5 3 2 1 7 2 2	06/14/94	OGAWA			

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*Patrick Ahn*

DATE CONSIDERED

*10/2001*

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